

ABSTRACT OF THE DISCLOSURE

METHOD AND SYSTEM FOR PROVIDING AN INTEGRATED FUNCTIONAL
TOPOLOGY FOR WIRELESS AND WIRELINE COMMUNICATION NETWORKS

5 An asynchronous transfer mode infrastructure is
integrated with the communications network. The
asynchronous transfer mode infrastructure is composed of
an asynchronous transfer mode fabric and asynchronous
transfer mode gateway. Wireless and wireline data are
10 linked to the communications network via the asynchronous
transfer mode infrastructure, such that all wireless and
wireline data transactions within the communications
network are processed independently of any switching
devices present within the communications network.
Wireless and wireline data is transmitted to and from the
communications network via a network access function that
allows wireless and wireline data to flow to and from the
communications network. The wireless and wireline data is
converted within the network access function in response
to transmittal of the wireless and wireline data to the
network access function. The wireless and wireline data
is then transferred to the asynchronous transfer mode
infrastructure from the network access function.